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Field Book for Describing and Sampling Soils 1998

The American Yawp Joseph L. Locke 2019-01-22 "I too am not a bit tamed—I too am untranslatable / I sound my barbaric yawp over the roofs of the world."—Walt Whitman, "Song of Myself," Leaves of Grass The American Yawp is a free, online, collaboratively built American history textbook. Over 300 historians joined together to create the book they wanted for their own students—an accessible, synthetic narrative that reflects the best of recent historical scholarship and provides a jumping-off point for discussions in the U.S. history classroom and beyond. Long before Whitman and long after, Americans have sung something collectively amid the deafening roar of their many individual voices. The Yawp highlights the dynamism and conflict inherent in the history of the United States, while also looking for the common threads that help us make sense of the past. Without losing sight of politics and power, The American Yawp incorporates transnational perspectives, integrates diverse voices, recovers narratives of resistance, and explores the complex process of cultural creation. It looks for America in crowded slave cabins, bustling markets, congested tenements, and marbled halls. It navigates between maternity wards, prisons, streets, bars, and boardrooms. The fully peer-reviewed edition of The American Yawp will be available in two print volumes designed for the U.S. history survey. Volume I begins with the indigenous people who called the Americas home before chronicling the collision of Native Americans, Europeans, and Africans. The American Yawp traces the development of colonial society in the context of the larger Atlantic World and investigates the origins and ruptures of slavery, the American Revolution, and the new nation's development and rebirth through the Civil War and Reconstruction. Rather than asserting a fixed narrative of American progress, The American Yawp gives students a starting point for asking their own questions about how the past informs the problems and opportunities that we confront today.

Exploring Autodesk Revit 2021 for Architecture, 17th Edition Prof. Sham Tickoo 2020-08-09 Exploring Autodesk Revit 2021 for Architecture is a comprehensive book written to cater to the needs of the students and the professionals who are involved in Building Information Modeling (BIM) Profession. Revit 2021 book is a gateway to power, skill, and competence in the field of architecture and interior presentations, drawings, and documentations. In this book, the author has emphasized on the concept of designing, creating families, massing, documentation, rendering orthographic and perspective views of building, usage of other advanced tools. In addition, Revit 2021 for Architecture book covers the description of various stages involved in rendering the model in Enscape plug-in. In this book, the chapters have been punctuated with tips and notes that provide additional information on the concept. The highlight of Revit 2021 book is that each concept introduced in it is explained with the help of suitable examples for better understanding. The simple and lucid language used in Revit 2021 book makes it a ready reference for both beginners and intermediate users. Also, the book covers enhancements and new features in Revit 2020. This book is also an ideal guide for students who are appearing for Autodesk Revit Certified Professional and Revit Certified User Exams, especially for Architecture. This book can also be used as a guide for students and professionals who are planning to make their career in BIM industry through learning of Revit. Salient Features Detailed explanation of architectural tools of Autodesk Revit Heavily illustrated text Introduction to Enscape Rendering Real-world structural projects given as tutorials Tips and Notes throughout the book Self-Evaluation Tests, Review Questions, and Exercises at the end of the Chapters. Student Project for practice. Table of Contents: Chapter 1: Introduction to Autodesk Revit 2021 for Architecture Chapter 2: Starting an Architectural Project Chapter 3: Creating Walls Chapter 4: Using Basic Building Components-I Chapter 5: Using the Editing Tools Chapter 6: Working with Datum Plane and Creating Standard Views Chapter 7: Using Basic Building Components-II Chapter 8: Using Basic Building Components-III Chapter 9: Adding Site Features Chapter 10: Using Massing Tools Chapter 11: Adding Annotations and Dimensions Chapter 12: Creating Project Details and Schedules Chapter 13: Creating and Plotting Drawing Sheets Chapter 14: Creating 3D Views Chapter 15: Rendering Views and Creating Walkthroughs Chapter 16: Using Advanced Features * Student Project * Index (* For Free Download)

eBooked! Integrating Free Online Book Sites into Your Library Collection H. Anthony Bandy 2013-10-08 A comprehensive look at today's online book sites, such as Google Books and HathiTrust, that gives you the necessary knowledge, skills, and resources to get up to speed on these amazing digital resources and use them effectively in the library setting. • Presents practical, clear, and accessible information accompanied by examples and explanations to help any reader to quickly understand online digital sites • Includes sample questions, library scenarios, and data points for quick reference • Supplies in-depth, focused information on today's hottest eBook sites, including Google Books, HathiTrust, the Open Library, the Internet Archive, and more • Provides thought-provoking explanations and background knowledge to help the library administrator in any strategic or planning process

Anatomy & Physiology 2016

College Physics Textbook Equity Edition Volume 3 of 3: Chapters 25 - 34 An OER from Textbook Equity 2014 This is volume 3 of 3 (black and white) of "College Physics," originally published under a CC-BY license by Openstax College, a unit of Rice University. Links to the free PDF's of all three volumes and the full volume are at <http://textbookequity.org> This text is intended for one-year introductory courses requiring algebra and some trigonometry, but no calculus. College Physics is organized such that topics are introduced conceptually with a steady progression to precise definitions and analytical applications. The analytical aspect (problem solving) is tied back to the conceptual before moving on to another topic. Each introductory chapter, for example, opens with an engaging photograph relevant to the subject of the chapter and interesting applications that are easy for most students to visualize.

Life, Vol. II: Evolution, Diversity and Ecology David E. Sadava 1995

Mining of Massive Datasets Jure Leskovec 2014-11-13 Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets.

Introduction to Compilers and Language Design Douglas Thain

Conservation Biology for All Navjot S. Sodhi 2010-01-08 Conservation Biology for All provides cutting-edge but basic conservation science to a global readership. A series of authoritative chapters have been written by the top names in conservation biology with the principal aim of disseminating cutting-edge conservation knowledge as widely as possible. Important topics such as balancing conservation and human needs, climate change, conservation planning, designing and analyzing conservation research, ecosystem services, endangered species management, extinctions, fire, habitat loss, and invasive species are covered. Numerous textboxes describing additional relevant material or case studies are also included. The global biodiversity crisis is now unstoppable; what can be saved in the developing world will require an educated constituency in both the developing and developed world. Habitat loss is particularly acute in developing countries, which is of special concern because it tends to be these locations where the greatest species diversity and richest centres of endemism are to be found. Sadly, developing world conservation scientists have found it difficult to access an authoritative textbook, which is particularly ironic since it is these countries where the potential benefits of knowledge application are greatest. There is now an urgent need to educate the next generation of scientists in developing countries, so that they are in a better position to protect their natural resources.

College Physics Textbook Equity Edition Volume 2 of 3: Chapters 13 - 24 An OER from Textbook Equity 2016-02-11 This text is intended for one-year introductory courses requiring algebra and some trigonometry, but no calculus. College Physics is organized such that topics are introduced conceptually with a steady progression to precise definitions and analytical applications. The analytical aspect (problem solving) is tied back to the conceptual before moving on to another topic. Each introductory chapter, for example, opens with an engaging photograph relevant to the subject of the chapter and interesting applications that are easy for most students to visualize. For manageability the original text is available in three volumes. Original text published by Openstax College (Rice University) www.textbookequity.org

U.S. History P. Scott Corbett 2017-12-19 Published by OpenStax College, U.S. History covers the breadth of the chronological history of

the United States and also provides the necessary depth to ensure the course is manageable for instructors and students alike. U.S. History is designed to meet the scope and sequence requirements of most courses. The authors introduce key forces and major developments that together form the American experience, with particular attention paid to considering issues of race, class and gender. The text provides a balanced approach to U.S. history, considering the people, events and ideas that have shaped the United States from both the top down (politics, economics, diplomacy) and bottom up (eyewitness accounts, lived experience).

Automate the Boring Stuff with Python, 2nd Edition Al Sweigart 2019-11-12 The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic *Automate the Boring Stuff with Python*, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in *Automate the Boring Stuff with Python, 2nd Edition*.

College Physics Paul Peter Urone 1997-12

R for Data Science Hadley Wickham 2016-12-12 Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, *R for Data Science* is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle--transform your datasets into a form convenient for analysis Program--learn powerful R tools for solving data problems with greater clarity and ease Explore--examine your data, generate hypotheses, and quickly test them Model--provide a low-dimensional summary that captures true "signals" in your dataset Communicate--learn R Markdown for integrating prose, code, and results

The World Book Encyclopedia 2002 An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

The Giver Lois Lowry 2014 Living in a "perfect" world without social ills, a boy approaches the time when he will receive a life assignment from the Elders, but his selection leads him to a mysterious man known as the Giver, who reveals the dark secrets behind the utopian facade.

Teaching Psychology Jillian Grose-Fifer 2019-02-20 A guide to an evidence-based approach for teaching college-level psychology courses *Teaching Psychology* offers an evidence-based, student-centered approach that is filled with suggestions, ideas, and practices for teaching college-level courses in ways that contribute to student success. The authors draw on current scientific studies of learning, memory, and development, with specific emphasis on classroom studies. The authors offer practical advice for applying scholarly research to teaching in ways that maximize student learning and personal growth. The authors endorse the use of backward course design, emphasizing the importance of identifying learning goals (encompassing skills and knowledge) and how to assess them, before developing the appropriate curriculum for achieving these goals. Recognizing the diversity of today's student population, this book offers guidance for culturally responsive, ethical teaching. The text explores techniques for teaching critical thinking, qualitative and quantitative reasoning, written and oral communication, information and technology literacy, and collaboration and teamwork. The authors explain how to envision the learning objectives teachers want their students to achieve and advise how to select assessments to evaluate if the learning objectives are being met. This important resource: Offers an evidence-based approach designed to help graduate students and new instructors embrace a student-centered approach to teaching; Contains a wealth of examples of effective student-centered teaching techniques; Surveys current findings from the Scholarship of Teaching and Learning; Draws on the American Psychological Association's five broad goals for the undergraduate Psychology major and shows how to help students build life-long skills; and, Introduces Universal Design for Learning as a framework to support diverse learners. *Teaching Psychology* offers an essential guide to evidence-based teaching and provides practical advice for becoming an effective teacher. This book is designed to help graduate students, new instructors, and those wanting to update their teaching methods. It is likely to be particularly useful for instructors in psychology and other social science disciplines.

Siemens NX 2020 for Designers, 13th Edition Prof. Sham Tickoo 2020-07-21 *Siemens NX 2020 for Designers* is a comprehensive book that introduces the users to feature based 3D parametric solid modeling using the NX software. The book covers all major environments of NX with a thorough explanation of all tools, options, and their applications to create real-world products. More than 40 mechanical engineering industry examples and additional 35 exercises given in the book ensure that the users properly understand the solid modeling design techniques used in the industry and are able to efficiently create parts, assemblies, drawing views with bill of materials as well as learn the editing techniques that are essential to make a successful design. In this edition, four industry specific projects are also provided for free download to the users to practice the tools learned and enhance their skills. Keeping in mind the requirements of the users, the book first introduces sketching and part modeling and then gradually progresses to cover assembly, surfacing, and drafting. To make the users understand the concepts of Mold Design and GD&T, two chapters are added in this book. Written with the tutorial point of view and the learn-by-doing theme, the book caters to the needs of both novice and advanced users of NX and is ideally suited for learning at your convenience and pace. Salient Features Comprehensive coverage of NX concepts and techniques. Tutorial approach to explain the concepts and tools of NX. Detailed explanation of all commands and tools. Hundreds of illustrations for easy understanding of concepts. Step-by-step instructions to guide the users through the learning process. More than 40 real-world mechanical engineering designs as tutorials, 35 as exercises, and projects with step-by-step explanation. Four real world projects available for free download. Additional information throughout the book in the form of notes and tips. Self-Evaluation Tests and Review Questions at the end of each chapter to help the users assess their knowledge. Table of Contents Chapter 1: Introduction to NX Chapter 2: Drawing Sketches for Solid Models Chapter 3: Adding Geometric and Dimensional Constraints to Sketches Chapter 4: Editing, Extruding, and Revolving Sketches Chapter 5: Working with Datum Planes, Coordinate Systems, and Datum Axes Chapter 6: Advanced Modeling Tools-I Chapter 7: Advanced Modeling Tools-II Chapter 8: Assembly Modeling-I Chapter 9: Assembly Modeling-II Chapter 10: Surface Modeling Chapter 11: Advanced Surface Modeling Chapter 12: Generating, Editing, and Dimensioning the Drawing Views Chapter 13: Synchronous Modeling Chapter 14: Sheet Metal Design Chapter 15: Introduction to Injection Mold Design * Chapter 16: Concepts of Geometric Dimensioning and Tolerancing * Index (* For Free Download)

OphthoBook Timothy Root 2009-07-01 *OphthoBook* is the printed version of the amazing *OphthoBook.com* online book and video series. The combination of this text, along with the online video lectures, creates the most informative and easy-to-understand ophthalmology review ever written. It is geared toward medical students, optometry students, and non-ophthalmologists who want to learn more about the eye without getting bogged down with mindless detail. The book is broken down into ten chapters: 1. Eye History 2. Anatomy 3. Glaucoma 4. Retina 5. Infection 6. Neuroophthalmology 7. Pediatric Ophthalmology 8. Trauma 9. Optics 10. Lens and Cataract Each chapter also includes "pimp questions" you might be asked in a clinic. Also, an entire chapter of ophthalmology board-review questions, flashcards, and eye abbreviations. Perhaps most useful, each chapter corresponds to the 20-minute video lectures viewable at *OphthoBook.com*. And lots of fun cartoons!

Forecasting: principles and practice Rob J Hyndman 2018-05-08 Forecasting is required in many situations. Stocking an inventory may require forecasts of demand months in advance. Telecommunication routing requires traffic forecasts a few minutes ahead. Whatever the circumstances or time horizons involved, forecasting is an important aid in effective and efficient planning. This textbook provides a comprehensive introduction to forecasting methods and presents enough information about each method for readers to use them sensibly.

SOLIDWORKS 2021 for Designers, 19th Edition Prof. Sham Tickoo 2021-02-28 *SOLIDWORKS 2021 for Designers* book is written to help the readers effectively use the modeling and assembly tools by utilizing the parametric and feature based approach of *SOLIDWORKS 2021*. This book provides detailed description of the tools that are commonly used in modeling, assembly, and sheet metal as well as in surfacing. This book further elaborates on the procedures of generating the drawings of a model or assembly, which are used for documentation of a model or assembly. Special emphasis has been laid on the introduction of concepts, which have been explained using detailed textual description along with graphical examples. The examples and tutorials used in this book ensure that the users can relate the information provided in

this textbook with the practical industry designs. In addition, two student projects and a SOLIDWORKS Certification Exam questions set have also been added in this edition for the students to practice and get familiarized with SOLIDWORKS certification questions. Salient Features Consists of 21 chapters that are organized in a pedagogical sequence. Comprehensive coverage of SOLIDWORKS 2021 concepts and techniques. Hundreds of illustrations and tutorial approach to explain the concepts of SOLIDWORKS 2021. Summary on the first page of the topics that are covered in the chapter. Step-by-step instructions that guide the users through the learning process. Real-world mechanical engineering designs as tutorials and projects. Additional information throughout the book in the form of notes and tips. Self-Evaluation Tests and Review Questions at the end of the chapters for the users to assess their knowledge. Table of Contents Chapter 1: Introduction to SOLIDWORKS 2021 Chapter 2: Drawing Sketches for Solid Models Chapter 3: Editing and modifying Sketches Chapter 4: Adding Relations and Dimensions to Sketches Chapter 5: Advanced Dimensioning Techniques and Base Feature Options Chapter 6: Creating Reference Geometries Chapter 7: Advanced Modeling Tools-I Chapter 8: Advanced Modeling Tools-II Chapter 9: Editing Features Chapter 10: Advanced Modeling Tools-III Chapter 11: Advanced Modeling Tools-IV Chapter 12: Assembly Modeling-I Chapter 13: Assembly Modeling-II Chapter 14: Working with Drawing View-I Chapter 15: Working with Drawing View-II Chapter 16: Surfacing Modeling Chapter 17: Working with Blocks Chapter 18: Sheet Metal Design Chapter 19: Equations, Configurations, and Library Features* Chapter 20: Motion Study* Chapter 21: Introduction to Mold Design* Student Projects SOLIDWORKS Certification Exam Index

Operating Systems Remzi H. Arpacı-Dusseau 2018-09 "This book is organized around three concepts fundamental to OS construction: virtualization (of CPU and memory), concurrency (locks and condition variables), and persistence (disks, RAIDS, and file systems"--Back cover.

Astronomy Andrew Fraknoi 2017-12-19 Astronomy is written in clear non-technical language, with the occasional touch of humor and a wide range of clarifying illustrations. It has many analogies drawn from everyday life to help non-science majors appreciate, on their own terms, what our modern exploration of the universe is revealing. The book can be used for either one-semester or two-semester introductory course (bear in mind, you can customize your version and include only those chapters or sections you will be teaching.) It is made available free of charge in electronic form (and low cost in printed form) to students around the world. If you have ever thrown up your hands in despair over the spiraling cost of astronomy textbooks, you owe your students a good look at this one. Coverage and Scope Astronomy was written, updated, and reviewed by a broad range of astronomers and astronomy educators in a strong community effort. It is designed to meet scope and sequence requirements of introductory astronomy courses nationwide. Chapter 1: Science and the Universe: A Brief Tour Chapter 2: Observing the Sky: The Birth of Astronomy Chapter 3: Orbits and Gravity Chapter 4: Earth, Moon, and Sky Chapter 5: Radiation and Spectra Chapter 6: Astronomical Instruments Chapter 7: Other Worlds: An Introduction to the Solar System Chapter 8: Earth as a Planet Chapter 9: Cratered Worlds Chapter 10: Earthlike Planets: Venus and Mars Chapter 11: The Giant Planets Chapter 12: Rings, Moons, and Pluto Chapter 13: Comets and Asteroids: Debris of the Solar System Chapter 14: Cosmic Samples and the Origin of the Solar System Chapter 15: The Sun: A Garden-Variety Star Chapter 16: The Sun: A Nuclear Powerhouse Chapter 17: Analyzing Starlight Chapter 18: The Stars: A Celestial Census Chapter 19: Celestial Distances Chapter 20: Between the Stars: Gas and Dust in Space Chapter 21: The Birth of Stars and the Discovery of Planets outside the Solar System Chapter 22: Stars from Adolescence to Old Age Chapter 23: The Death of Stars Chapter 24: Black Holes and Curved Spacetime Chapter 25: The Milky Way Galaxy Chapter 26: Galaxies Chapter 27: Active Galaxies, Quasars, and Supermassive Black Holes Chapter 28: The Evolution and Distribution of Galaxies Chapter 29: The Big Bang Chapter 30: Life in the Universe Appendix A: How to Study for Your Introductory Astronomy Course Appendix B: Astronomy Websites, Pictures, and Apps Appendix C: Scientific Notation Appendix D: Units Used in Science Appendix E: Some Useful Constants for Astronomy Appendix F: Physical and Orbital Data for the Planets Appendix G: Selected Moons of the Planets Appendix H: Upcoming Total Eclipses Appendix I: The Nearest Stars, Brown Dwarfs, and White Dwarfs Appendix J: The Brightest Twenty Stars Appendix K: The Chemical Elements Appendix L: The Constellations Appendix M: Star Charts and Sky Event Resources

Deep Learning Ian Goodfellow 2016-11-10 An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, Deep Learning is the only comprehensive book on the subject." --Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

111 Tips on How to Market Your Book for Free Doris-Maria Heilmann 2021-03-31 This second - totally revised, expanded and updated - edition of the popular book marketing guide shows writers and publishers how to market books for free. Confused about how to build an author platform? Frustrated with slow marketing progress? Discover how to create a viable online author presence in this valuable and informative book, "e;111 Tips on How to Market Your Book for Free"; - Detailed Plans and Smart Strategies for Your Book's Success. Creating an online presence can be a daunting task for the author. Promoting yourself and a book can quickly lead to becoming overwhelmed. Strategize your writing career by planning how to publish, publicize, and launch your book. Learn how to get your books in bookstores and libraries, and successfully contact television and radio stations, and bloggers. Develop a solid plan to market your book and watch your sales grow. Are you ready to elevate your book promotion? For newcomers and seasoned authors, "e;111 Tips on How to Market Your Book for Free "e;delves deeply into the mechanics of taking your writing career to the next level. With more links and resources, this book can easily become invaluable to the writer. Although it may be dense with information, the content is much more detailed. Reviewer: "e;I liked the author's tips on how to build online relationships. As someone who avoids social media, (it has been the bane of my author's existence). I really appreciated how the author breaks down how to work on social media. Short, to the point, succinct. Finally, I get it! I am so excited to implement so many of these ideas. I was also thrilled to read the section on how to pitch to television and radio. Another superb writer's resource book from an excellent author."e;

Alcoholics Anonymous Alcoholics Anonymous World Services 1986 The basic text for Alcoholics Anonymous.

Breath James Nestor 2020-05-26 A New York Times Bestseller A Washington Post Notable Nonfiction Book of 2020 Named a Best Book of 2020 by NPR "A fascinating scientific, cultural, spiritual and evolutionary history of the way humans breathe—and how we've all been doing it wrong for a long, long time." --Elizabeth Gilbert, author of Big Magic and Eat Pray Love No matter what you eat, how much you exercise, how skinny or young or wise you are, none of it matters if you're not breathing properly. There is nothing more essential to our health and well-being than breathing: take air in, let it out, repeat twenty-five thousand times a day. Yet, as a species, humans have lost the ability to breathe correctly, with grave consequences. Journalist James Nestor travels the world to figure out what went wrong and how to fix it. The answers aren't found in pulmonology labs, as we might expect, but in the muddy digs of ancient burial sites, secret Soviet facilities, New Jersey choir schools, and the smoggy streets of São Paulo. Nestor tracks down men and women exploring the hidden science behind ancient breathing practices like Pranayama, Sudarshan Kriya, and Tummo and teams up with pulmonary tinkerers to scientifically test long-held beliefs about how we breathe. Modern research is showing us that making even slight adjustments to the way we inhale and exhale can jumpstart athletic performance; rejuvenate internal organs; halt snoring, asthma, and autoimmune disease; and even straighten scoliotic spines. None of this should be possible, and yet it is. Drawing on thousands of years of medical texts and recent cutting-edge studies in pulmonology, psychology, biochemistry, and human physiology, Breath turns the conventional wisdom of what we thought we knew about our most basic biological function on its head. You will never breathe the same again.

Mineralogy Dexter Perkins 2014-01-13 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. This student-friendly text is written in a casual, jargon-free style to present a modern introduction to mineralogy. It emphasizes real-world applications and the history and human side of mineralogy. The author approaches the subject by explaining the larger, understandable topics first, and then explaining why the "little things" are important for understanding the larger picture.

Causal Inference Miquel A. Hernan 2019-07-07 The application of causal inference methods is growing exponentially in fields that deal with observational data. Written by pioneers in the field, this practical book presents an authoritative yet accessible overview of the methods and applications of causal inference. With a wide range of detailed, worked examples using real epidemiologic data as well as software for

replicating the analyses, the text provides a thorough introduction to the basics of the theory for non-time-varying treatments and the generalization to complex longitudinal data.

Eloquent JavaScript Marijn Haverbeke 2011-01-15 JavaScript is at the heart of almost every modern Web application, whether it's Google Apps, Twitter, or the newest browser-based game. Though it's simple for beginners to pick up and play with, JavaScript is not a toy—it's a flexible and complex language that can be used to build full-scale applications. Eloquent JavaScript dives into this flourishing language and teaches you to write code that's beautiful and effective. By immersing you in example code and encouraging experimentation right from the start, the author quickly gives you the tools you need to build your own programs. As you follow along with examples like an artificial life simulation and a version of the classic game Sokoban, you'll learn to: –Understand the essential elements of programming: syntax, control, and data –Use object-oriented and functional programming techniques to organize and clarify your programs –Script the browser and make basic Web applications –Work with tools like regular expressions and XMLHttpRequest objects And since programming is an art that's best learned by doing, all example code is available online in an interactive sandbox for you to experiment with. With Eloquent JavaScript as your guide, you can tweak, expand, and modify the author's code, or throw it away and build your own creations from scratch. Before you know it, you'll be fluent in the language of the Web.

College Physics Textbook Equity Edition Volume 1 of 3: Chapters 1 - 12 An OER from Textbook Equity 2014-01-13 Authored by Openstax College CC-BY An OER Edition by Textbook Equity Edition: 2012 This text is intended for one-year introductory courses requiring algebra and some trigonometry, but no calculus. College Physics is organized such that topics are introduced conceptually with a steady progression to precise definitions and analytical applications. The analytical aspect (problem solving) is tied back to the conceptual before moving on to another topic. Each introductory chapter, for example, opens with an engaging photograph relevant to the subject of the chapter and interesting applications that are easy for most students to visualize. For manageability the original text is available in three volumes. Full color PDF's are free at www.textbookequity.org

An Introduction to Statistical Learning Gareth James 2013-06-24 An Introduction to Statistical Learning provides an accessible overview of the field of statistical learning, an essential toolset for making sense of the vast and complex data sets that have emerged in fields ranging from biology to finance to marketing to astrophysics in the past twenty years. This book presents some of the most important modeling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, clustering, and more. Color graphics and real-world examples are used to illustrate the methods presented. Since the goal of this textbook is to facilitate the use of these statistical learning techniques by practitioners in science, industry, and other fields, each chapter contains a tutorial on implementing the analyses and methods presented in R, an extremely popular open source statistical software platform. Two of the authors co-wrote *The Elements of Statistical Learning* (Hastie, Tibshirani and Friedman, 2nd edition 2009), a popular reference book for statistics and machine learning researchers. An Introduction to Statistical Learning covers many of the same topics, but at a level accessible to a much broader audience. This book is targeted at statisticians and non-statisticians alike who wish to use cutting-edge statistical learning techniques to analyze their data. The text assumes only a previous course in linear regression and no knowledge of matrix algebra.

Nineteen Eighty-Four George Orwell 2021-01-09 "Nineteen Eighty-Four: A Novel", often published as "1984", is a dystopian social science fiction novel by English novelist George Orwell. It was published on 8 June 1949 by Secker & Warburg as Orwell's ninth and final book completed in his lifetime. Thematically, "Nineteen Eighty-Four" centres on the consequences of totalitarianism, mass surveillance, and repressive regimentation of persons and behaviours within society. Orwell, himself a democratic socialist, modelled the authoritarian government in the novel after Stalinist Russia. More broadly, the novel examines the role of truth and facts within politics and the ways in which they are manipulated. The story takes place in an imagined future, the year 1984, when much of the world has fallen victim to perpetual war, omnipresent government surveillance, historical negationism, and propaganda. Great Britain, known as Airstrip One, has become a province of a totalitarian superstate named Oceania that is ruled by the Party who employ the Thought Police to persecute individuality and independent thinking. Big Brother, the leader of the Party, enjoys an intense cult of personality despite the fact that he may not even exist. The protagonist, Winston Smith, is a diligent and skillful rank-and-file worker and Outer Party member who secretly hates the Party and dreams of rebellion. He enters into a forbidden relationship with a colleague, Julia, and starts to remember what life was like before the Party came to power.

Psychology 2e Rose M. Spielman 2020-04-22

Speech & Language Processing Dan Jurafsky 2000-09

The Rust Programming Language (Covers Rust 2018) Steve Klabnik 2019-09-03 The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of *The Rust Programming Language*, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as: • Ownership and borrowing, lifetimes, and traits • Using Rust's memory safety guarantees to build fast, safe programs • Testing, error handling, and effective refactoring • Generics, smart pointers, multithreading, trait objects, and advanced pattern matching • Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies • How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

Introduction to Information Retrieval Christopher D. Manning 2008-07-07 Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Daksha the Medicine Girl Gita V. Reddy 2017-05-17

Textbook of Ophthalmology HV Nema 2011-12-01 The sixth edition of *Textbook of Ophthalmology* has been completely revised to include the latest developments in the field. Beginning with an introduction to the anatomy and physiology of the eye, the book discusses different ocular diseases and their treatment. This edition includes new chapters on Cryotherapy and Laser Therapy. Each chapter includes references for further research and 1000 questions and answers help with review and revision. Almost 900 images and illustrations, as well as a DVD enhance learning and understanding.